

Monoclonal Anti-Chikungunya Virus E2 Envelope Glycoprotein, Clone CHK-48 (produced *in vitro*)

Catalog No. NR-44002

This reagent is the property of the U.S. Government.

Product Description:

Antibody Class: IgG2c λ

Mouse monoclonal antibody prepared against the E2 envelope glycoprotein of chikungunya virus (CHIKV) was purified from clone CHK-48 hybridoma supernatant by protein G affinity chromatography. NR-44002 lot 70082268 was produced from BEI Resources lot 61954725 adapted to serum-free media.

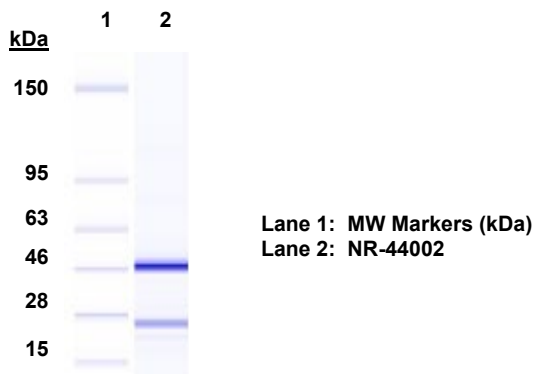
Lot: 70082268

Manufacturing Date: 19MAY2026

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG2c λ	IgG2c λ
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report average purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 95.6% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg/mL	1.1 mg/mL
Functional Activity by Western Blot Analysis	Report results	Reactive ¹
Sterility	0.22 μ m filter-sterilized	0.22 μ m filter-sterilized

¹Using a 1:1000 dilution of goat anti-mouse IgG2c heavy chain antibody (Bethyl Laboratories, Catalog no. A90-136A) as the primary antibody and a 1:10,000 dilution of IR-dye-conjugated donkey anti-goat IgG as the secondary antibody (LI-COR, Catalog no. 925-32214).

Figure 1: Agilent® Protein 230 Analysis



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23 SEP 2026

Technical Manager or designee, ATCC Federal Solutions

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